

### ABSTRACT

A non-invasive system and method of determining the presence or absence of neural, muscular, soft tissue, bone or joint damage to a person's hand and/or wrist. The system includes a plurality of contact points, one of which is engageable by the person's thumb and two of which are engageable by other digits of the hand, at least one of the other digits being innervated by the ulnar nerve. Force detectors are operatively connected to at least two of the contact points for measuring the quantity of force applied through respective contact points as the thumb and other digits are brought toward each other in a natural gripping motion. The measured forces are displayed for analysis of the hand and/or wrist.